	Application No.	Applicant(s)	
Notice of Allowability	09/724,269	KASIF ET AL.	
	Examiner	Art Unit	
	Mary K. Zeman	1631	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED ir or other appropriate commu IGHTS. This application is s	n this application. If not includunication will be mailed in due	ed course. THIS
1. A This communication is responsive to the communication of	<u>f 12/28/05</u> .		
2. X The allowed claim(s) is/are 2,3,7-9,11,16,22-25,27-30,34 a	<u>and 37</u> .		
 3. Acknowledgment is made of a claim for foreign priority unas a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must 	e been received. e been received in Application cuments have been received of this communication to file IENT of this application. itted. Note the attached EXA es reason(s) why the oath or	on No If in this national stage applicate a reply complying with the re	quirements
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1	s Amendment / Comment or .84(c)) should be written on the	he drawings in the front (not the	e back) of
each sheet. Replacement sheet(s) should be labeled as such in t			Nata tha
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			Note the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	6. Interview S Paper No./ 98), 7. Examiner's	formal Patent Application (PT ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allo	,

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The declaration filed on 12/28/2005 under 37 CFR 1.131 is sufficient to overcome the Lobinov et al (US 6,834,239) reference.

Claims 2, 3, 7-9, 11, 16, 22-25, 27-30, 34 and 37 are allowed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Barnhill et al. (US 6,882,990) discloses support vector machines for classification of biological data. Barnhill et al. do not use methods wherein the probability of each and every subsequence or data item is computed, but instead looks to reduce the complexity of the classified data. Barnhill et al are largely concerned with the classification of gene expression data, and not gene sequence or genome sequence data.

Rothberg et al. (US 6,453,245) discloses methods of classifying sequences without sequencing. Rothberg et al disclose methods of mathematically determining the sequences of DNA or protein samples without performing sequencing procedures. Rothberg et al do not use a feature vector or training vector based classification.

Nicolaou et al. (US 6,904,23) disclose a tree based classification of biological molecule information.

Boissy (US2002/0177138) filed after the instant filing date discloses string searching and classification methods for biopolymer information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary K Zeman whose telephone number is (571) 272 0723

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel, PhD can be reached on (571) 272 0718. The fax phone number for the organization where this application or proceeding is assigned is 571 273 8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

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MARY K. ZEMAN PRIMARY EXAMINER